

	1	50
SEQ ID NO:46	MMWTWALWML PSLCKFSLAA LPAKPENISC VYYYRKNLTC TWSPGKETSY	
SEQ ID NO:18	MMWTWALWML PSLCKFSLAA LPAKPENISC VYYYRKNLTC TWSPGKETSY	
SEQ ID NO:2	MMWTWALWML PSLCKFSLAA LPAKPENISC VYYYRKNLTC TWSPGKETSY	
SEQ ID NO:22	MMWTWALWML PSLCKFSLAA LPAKPENISC VYYYRKNLTC TWSPGKETSY	
	51	100
SEQ ID NO:46	TQYTVKRRTYA FGEKHDNCTT NSSTSENRA CSFFLPRITI PDNYTIEVEA	
SEQ ID NO:18	TQYTVKRRTYA FGEKHDNCTT NSSTSENRA CSFFLPRITI PDNYTIEVEA	
SEQ ID NO:2	TQYTVKRRTYA FGEKHDNCTT NSSTSENRA CSFFLPRITI PDNYTIEVEA	
SEQ ID NO:22	TQYTVKRRTYA FGEKHDNCTT NSSTSENRA CSFFLPRITI PDNYTIEVEA	
	101	150
SEQ ID NO:46	ENGDGVIKSH MTYWRLENIA KTEPPKIFRV KPVLGIKRMI QIEWIKPELA	
SEQ ID NO:18	ENGDGVIKSH MTYWRLENIA KTEPPKIFRV KPVLGIKRMI QIEWIKPELA	
SEQ ID NO:2	ENGDGVIKSH MTYWRLENIA KTEPPKIFRV KPVLGIKRMI QIEWIKPELA	
SEQ ID NO:22	ENGDGVIKSH MTYWRLENIA KTEPPKIFRV KPVLGIKRMI QIEWIKPELA	
	151	200
SEQ ID NO:46	PVSSDLKYTL RFRTVNSTSW MEVNFAKNRK DKNQTYNLTG LQPFTEYVIA	
SEQ ID NO:18	PVSSDLKYTL RFRTVNSTSW MEVNFAKNRK DKNQTYNLTG LQPFTEYVIA	
SEQ ID NO:2	PVSSDLKYTL RFRTVNSTSW MEVNFAKNRK DKNQTYNLTG LQPFTEYVIA	
SEQ ID NO:22	PVSSDLKYTL RFRTVNSTSW MEVNFAKNRK DKNQTYNLTG LQPFTEYVIA	
	201	250
SEQ ID NO:46	LRCAVKESKF WSDWSQEKG MTEEEAPCGL ELWRVLKPAE ADGRRPVRL	
SEQ ID NO:18	LRCAVKESKF WSDWSQEKG MTEEEAPCGL ELWRVLKPAE ADGRRPVRL	
SEQ ID NO:2	LRCAVKESKF WSDWSQEKG MTEEEAPCGL ELWRVLKPAE ADGRRPVRL	
SEQ ID NO:22	LRCAVKESKF WSDWSQEKG MTEEEGKL.L PAIPVLSALV	
	251	300
SEQ ID NO:46	WKKARGAPVL EKTLGYNIWY YPESNTNLTE TMNTTNQQLE LHLGGESFWV	
SEQ ID NO:18	WKKARGAPVL EKTLGYNIWY YPESNTNLTE TMNTTNQQLE LHLGGESFWV	
SEQ ID NO:2	WKKARGAPVL EKTLGYNIWY YPESNTNLTE TMNTTNQQLE LHLGGESFWV	
SEQ ID NO:22		
	301	350
SEQ ID NO:46	SMISYNLSGK SPVATLRIPA IQEKSFQCIE VMQACVAEDQ LVVKWQSSAL	
SEQ ID NO:18	SMISYNLSGK SPVATLRIPA IQEK	
SEQ ID NO:2	SMISYNLSGK SPVATLRIPA IQEKSFQCIE VMQACVAEDQ LVVKWQSSAL	
SEQ ID NO:22		

SEQ ID NO:46 SEQ ID NO:18 SEQ ID NO:2 SEQ ID NO:22	351	400
	DVN TWMIEWF PDVDSEPTTL SWESVSQATN WTIQQDKLKP FW CYNISVYP	
	-----	-----
	DVN TWMIEWF PDVDSEPTTL SWESVSQATN WTIQQDKLKP FW CYNISVYP	
	-----	-----
	-----	-----
SEQ ID NO:46 SEQ ID NO:18 SEQ ID NO:2 SEQ ID NO:22	401	450
	MLHDKVGEPY SIQAYAKEGV PSEG PETKVE NIGVKTVTIT WKEIPKSERK	
	-----	-----
	MLHDKVGEPY SIQAYAKEGV PSEG PETKVE NIGVKTVTIT WKEIPKSERK	
	-----	-----
SEQ ID NO:46 SEQ ID NO:18 SEQ ID NO:2 SEQ ID NO:22	451	500
	GIICNYTIFY QAEGGKGFSK TVNSSILQYG LESLKRKTSY IVQVMASTSA	
	-----	-----
	GIICNYTIFY QAEGGKGFSK TVNSSILQYG LESLKRKTSY IVQVMASTSA	
	-----	-----
SEQ ID NO:46 SEQ ID NO:18 SEQ ID NO:2 SEQ ID NO:22	501	550
	GGTNGTSINF KTLSFSVFEI ILITS LIGGG LLILIILTVA YGLKKPNKLT	
	-----	-----
	GGTNGTSINF KTLSFSVFEI ILITS LIGGG LLILIILTVA YGLKKPNKLT	
	-----	-----
SEQ ID NO:46 SEQ ID NO:18 SEQ ID NO:2 SEQ ID NO:22	551	600
	HLCWPTVPNP AE SSIATWHG DDFKD KLNLK ESD DS VNTED RIL KPC STPS	
	-----	-----
	HLCWPTVPNP AE SSIATWHG DDFKD KLNLK ESD DS VNTED RIL KPC STPS	
	-----	-----
SEQ ID NO:46 SEQ ID NO:18 SEQ ID NO:2 SEQ ID NO:22	601	650
	DKLVIDKLVV NFGNVLQEIF TDEARTGQEN NLGGEKNGTR ILSSCPTSI-	
	-----	-----
	DKLVIDKLVV NFGNVLQEIF TDEARTGQEN NLGGEKNGYV TCPFRPDCPL	
	-----	-----
SEQ ID NO:46 SEQ ID NO:18 SEQ ID NO:2 SEQ ID NO:22	651	700
	GKSFEELPVS PEIPPRKSQY LRSRMPEGTR PEAKEQLLFS GQSLVPDHLC	
	-----	-----

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SEQ ID NO:46

SEQ ID NO:18

SEQ ID NO:2

SEQ ID NO:22

EEGAPNPYLK NSVTAREFLV SEKLPEHTKG EV~

FIG. 1C

	10	20	30	40	
ZCYTOR	MKLSPQPSCVNLMGMMWTALWMLPSLCKFSLAALPAK PENISCVYYY				
	10	20	30	40	50
M17R-0	MLSSQKGSCSQEPGAAHVQPLGVNAGIMWTLALWAFLCKFSLAVLPTK PENISCVFYF				
	10	20	30	40	50
	60	70	80	90	100
ZCYTOR	RKNLTCTWSPGKETSYTQYTVKRTYAFGEKHDNCTNSSEN RASC SFFLPRITIPDNY				
	70	80	90	100	110
M17R-0	DRNL TCTWRPEKETNDTSYIVTLTYSYGK-----SNYSDNATEASYSF PRSCAMPPDIC				
	110	120	130	140	150
ZCYTOR	TIEVEAENGDGVIKSHMTYWRLENIAKTEPPKIFRVKPVLGIKRMIQIEWIKPELAPVSS				
	120	130	140	150	160
M17R-0	SVEVQAQNGDGKVKS DITYWHLISIAKTEPPIILSVNPICN--RMFQIQW-KPREKTRGF				
	170	180	190	200	210
ZCYTOR	DLKYTLRFR TVNSTS WMEVNFA KNRKD KNQTY NL TGL QPF TEYVIALRC AVKESKFWS DW				
	180	190	200	210	220
M17R-0	PLVCM LRF RTV NSSR WTE VNF-ENCK---QVCNL TGL QAF TEYVLA LRFR FND SRY WS KW				
	230	240	250	260	270
ZCYTOR	SQEKMGMT EEEAPCGLELWRVLKPAEADGRRPVRLWKKARGAPVLEKTLGYNIWYYPES				
	240	250	260	270	280
M17R-0	SKEETR VT MEEVPHVLDLWRILEPADMNGDRKVRLWKKARGAPVLEKTFGYHIQYFAEN				
	230	240	250	260	270
	290	300	310	320	330
ZCYTOR	NTNL TETMNTT NQQL EHLGGESFWVSMIS YNSLGKSPVATLRIPAIQEKS FQCI EVMQA				
	300	310	320	330	340
M17R-0	STNL TEINN ITTQQYELL LMSQAH SVT SFNSL GK SQETI LRIPDVHEKTFQYIKSMQA				
	290	300	310	320	330
	350	360	370	380	390
ZCYTOR	CVAEDQLVVKWQSSALD VNTWMIEWFPDVD-SEPTTLSWESVSQATNWTI QQDKLK PFWC				
	360	370	380	390	400
M17R-0	YIAEPLL VVN WQSSI PAVD TWI VEWLPEAAMSKFPALSWE VSQVTNWTIEQDKLK PFTC				
	350	360	370	380	390

Fig. 2A

410	420	430	440	450	460
ZCYTOR	YNISVYPMLHDKVGEPYSIQAYAKEGVSEGPETKVENIGVKTVTITWKEIPKSERKGII				
M17R-0	YNISVYPVLGHGVGEPYSIQAYAKEGTPKGTPETRVENIGLRTATITWKEIPKSARNGFI				
410	420	430	440	450	460
ZCYTOR	CNYTIFYQAEGGKGFSKTVNSSILQYGLESLKRKTSYIVQVMASTSAGGTNGTSINFKTL				
M17R-0	NNYTVFYQAEGGKELSKTVNSHALQCDLESLTRRTSYTVWVMASTRAGGTNGVRINFKTL				
470	480	490	500	510	520
ZCYTOR	SFSVFEIILITSLIGGGLLILIIILTVAAYGLKKPNKLTHLCWPTVPNPAESSIATWHGDDF				
M17R-0	SISVFEIVLLTSLVGGGLLLLSIKTVTFGLRKPNRLTPLCCPDVPNPAESSLATWLGDF				
530	540	550	560	570	580
ZCYTOR	KDKLNLKESDDSVNTEDRILKPCSTPSDKLVIDRLVVNFGNVLQEIFTDEARTGQENNLG				
M17R-0	K-KSNMKETGNSGNTEDVVLKPCPVPAD--LIDKLVVNFENFLEVVLTEEAGKGQASILG				
590	600	610	620	630	640
ZCYTOR	GEKNGTRILSSCPTSI				
M17R-0	GEAN-EYILSQEPSCPGHC				
650	660				

Fig 2B